

DRILL HOLES

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Border Rev. Date: March 22, 2007

BY: \$USER\$NAME\$

## PROJECT DESCRIPTION

### GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 187 (OLD GEORGETOWN RD) NB AND EDSON LN/POINDEXTER DR.

LANES MONITORED - 1 DEDICATED LEFT, 2 THRU, AND 1 RIGHT/THRU.

### INTERSECTION OPERATION

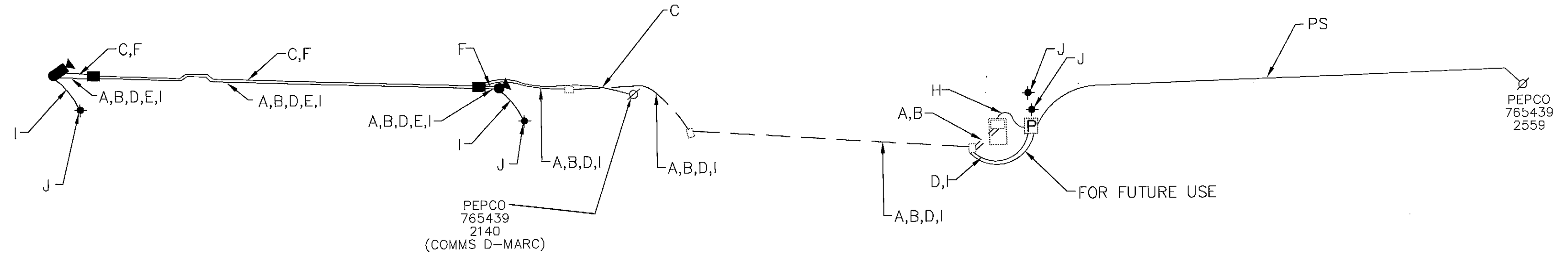
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

### EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA  
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
2	EA	SENSYS RECEIVER ASSEMBLY
1	EA	100 AMP METER SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
2	EA	#5 PULLBOXES
295	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
135	LF	4 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED WITH 4" ELBOW AT THE WOOD POLE BASE
520	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
260	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
540	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
270	LF	115 V POWER 4 CONDUCTOR CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
260	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
25	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS
		(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



### WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUND ROD - 3/4 IN. X 10 FT. LENGTH
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL

### GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
  - \* MONTGOMERY COUNTY ENGINEER - KAMAL HAMUD 240-777-8761
  - \* MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
  - \* SHA INSPECTION TEAM LEADER - ADRIAN PUGH 410-787-7645

Red Light Camera  
BW313M83  
MD 187 @ NB Edson Lane/Poindexter Drive



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
WIRING KEY  
MD 187 (OLD GEORGETOWN RD) NB AND EDSON LN/POINDEXTER DRIVE

APPROVALS	REVISIONS	SCALE <u>NONE</u> ADVERTISED DATE _____ CONTRACT NO. _____
TEAM LEADER	(B) RED LIGHT CAMERA INSTALLATION	DESIGNED BY _____ COUNTY <u>MONTGOMERY</u>
ASST. DIV. CHIEF	TMS # 1439 06/25/12	DRAWN BY _____ LOGMILE _____
DIVISION CHIEF	A BLACK FACE EXISTING SIGNALS	CHECKED BY _____ TMS NO. _____
OFFICE DIRECTOR	SHA NO: A17189185	F.A.P. NO. _____ TOD NO. _____
		DRAWING NO. <u>TS 1992 B</u> OF _____ SHEET NO. 2 OF 2

PLOTTED: \$DATE\$TIME\$  
FILE: \$FILE\$